

What is claimed is:

1. A mouse assembly comprising:

a base having an open top;

a frame received in the open top of the base, the frame having a protrusion which has a passage defined therethrough;

a trace sphere rotatably engaged with passage of the frame and a reflection board received in the protrusion and located below the trace sphere, a circuit board connected to an underside of the frame and located below the reflection board, electronic parts and a limit switch connected to an underside of the circuit board, the limit switch adapted to face a surface on which the base is put, and

a flexible water-proof plate mounted to a top of the protrusion of the frame and having an aperture with which the trace sphere is engaged.

2. The mouse assembly as claimed in claim 1, wherein the frame has a plurality of legs and each leg having a spring connected thereto, an under board connected to an underside of the base and the springs biased between the legs and the under board.

3. The mouse assembly as claimed in claim 1, further comprising a retaining collar received in the passage in the protrusion and a lower portion of the trace sphere being engaged with the collar.

4. The mouse assembly as claimed in claim 1, further comprising a protection plate engaged with the aperture of the flexible water-proof plate so as to retain an upper portion of the trace sphere.

5. The mouse assembly as claimed in claim 1, wherein a length of each of the legs is shorter than a distance from the circuit board to the limit switch.